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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/710,267

06/30/2004

Shih-Ming Cheng

13435-US-PA

4266

31561

7590

08/31/2006

JIANQ CHYUN INTELLECTUAL PROPERTY OFFICE
7 FLOOR-1, NO. 100
ROOSEVELT ROAD, SECTION 2
TAIPEI, 100
TAIWAN

EXAMINER

TRUONG, BAO Q.

ART UNIT

PAPER NUMBER

2875

DATE MAILED: 08/31/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/710,267	CHENG, SHIH-MING	
	Examiner	Art Unit	
	Bao Q. Truong	2875	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 July 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 and 12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5, 8 and 12 is/are rejected.
- 7) ☒ Claim(s) 6 and 7 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 June 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-4 and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by Wortman et al. [US 6,447,135].

Regarding claim 1, Wortman et al. discloses a light guide plate body [74] and a transfer material layer [71, 76] on the light guide plate body [74], and there is inherently a molding machine with a cavity therein to mold the light guide plate body [74] (title, figure 8, column 2 lines 25-26).

Regarding claim 2, Wortman et al. discloses the transfer material layer [71, 76] having a light scattering pattern layer [71] (figure 8, column 5 lines 45-60).

Regarding claim 3, Wortman et al. discloses a light reflecting layer [76] and a light scattering pattern layer [71] (figure 8).

Regarding claim 4, Wortman et al. discloses a light plate body [74] with a light output surface [72], a bottom surface [at layer 73], a light incident surface [66], and a plurality of side surfaces [at 74 and cross section view] (figure 8).

Regarding claim 8, Wortman et al. discloses a light guide plate [74] having a light guide body with a light output surface [72], a bottom surface [at layer 73], a light incident surface [66], a plurality of side surfaces [at 74 and cross section view], and a transfer material layer [71, 73, 76] disposed on the bottom surface [at layer 73] together being formed into a unity, in which, a light scattering patterned layer [71] disposed on the bottom surface [at 73] and a light reflecting layer [76] disposed over the bottom surface and covering the light scattering pattern layer (figure 8, column 5 lines 45-60).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 5 and 12 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wortman et al. in view of Wimberger-Friedl [US 5,845,035].

Regarding claims 5 and 12, Wortman et al. discloses a light guide with side surfaces [at 74] but does not clearly disclose the light reflecting layer being disposed on the side surfaces.

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Wimberger-Friedl discloses a light guide [19] with a side surface [15] having a light reflecting layer [23] to prevent light exit at the side face [15] (figure 1, column 6 lines 40-52).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the side surface of the light guide of Wortman et al. with the light reflecting layer as taught by Wimberger-Friedl to prevent light leaving the light guide at the side surface for purpose of providing an advantageous way of increasing brightness.

Allowable Subject Matter

6. Claims 6 and 7 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

7. The following is a statement of reasons for the indication of allowable subject matter:

Claim 6, the step of disposing the thin film inside the molding machine comprises applying a tape-spooling mechanism to reel the thin film over molding machine so that at least a portion of the transfer material layer is disposed inside the cavity.

Claim 7 is dependent on claim 6.

The limitations discussed above are neither disclosed nor suggested by the prior art of record.

Response to Amendment

8. Applicant's amendment and arguments with respect to the present claim have been considered but are not quite persuasive. Since the applicant has not clearly pointed out that the figure 8 of Wortman et al. does not disclose the claimed limitations. Wortman et al. discloses a light guide plate [74] having a light scattering patterned layer [71] and a light reflecting layer [76] (figure 8, column 5 lines 45-60). Moreover, the examiner believes claims 1-4 have been disclosed by Wortman et al. and considers the reference Wortman et al. as a new ground of rejection according to claims 1-4 as set forth above.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bao Q. Truong whose telephone number is (571) 272-2383. The examiner can normally be reached on Monday-Friday (8:00 AM - 4:00 PM).

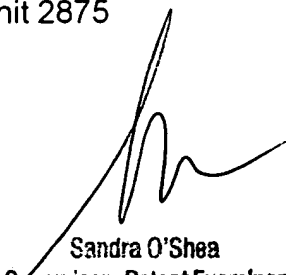
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra L. O'Shea can be reached on (571) 272-2378. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

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For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Bao Q. Truong
Examiner
Art Unit 2875



Sandra O'Shea
Supervisory Patent Examiner
Technology Center 2800